

Substitute for form 1449A/PTO THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
(Use as many sheets as necessary)				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Sicilia, Robert
				Art Unit	4732 1722
				Examiner Name	Sanders, Janis C.
Sheet	1	of	2	Attorney Docket No: MMID 2323	

US PATENT DOCUMENTS					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
TW/H		US-2002/0086086 A1	07/04/2002	Doyle et al.	
		US-2002/0070288 A1	06/13/2002	Bouti	
		US-2002/0149135 A1	10/01/2002	Choi et al.	
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		US-2004/0047943 A1	03/11/2004	White et al.	
		US-2004/0164459 A1	08/26/2004	Babin et al.	
		US-4299553	11/01/1981	Nareshwar, Swaroop	
		US-4303382	12/01/1981	Gellert, Jobst	
		US-4848920	07/18/1989	Heathe et al.	
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		US-5783234	07/21/1998	Teng	
		US-5916605	06/29/1999	Swenson et al.	
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		US-6503438	01/07/2003	Beaumont et al.	
TW/H		US-6544028	04/08/2003	Wright et al.	
		US-6572361	06/03/2003	Gould et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
TW/H	FP2	DE-2017710 A1	10/22/1970	Montecatini Edison SPA	
	FP3	DE-3201710 A1	08/26/1982	Gellert, Jobst U.	
	FP4	EP-0 779 140 A1	06/18/1997	Husky Injection Molding Systems Ltd.	
	FP5	EP-1 140 456 B1	10/10/2001	Zahoransky et al.	
	FP6	EP-0 963 829 A1	12/15/1999	Godwin et al.	
	FP7	WO-03/008173 A1	01/30/2003	Husky Injection Molding Systems Ltd.	
	FP8	WO-03/011443 A2	02/13/2003	Stroock et al.	
	FP9	WO-03/035358 A1	05/01/2003	Husky Injection Molding Systems Ltd.	

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Tim Kiebrink

DATE CONSIDERED

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THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Sicilia, Robert
				Art Unit	1732 / 722
				Examiner Name	Sanders, Janis C.
Sheet	2	of	2	Attorney Docket No: MMID 2323	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
TWH	NP2	"Efficient Spiral Flow 3-D Microchannel", published at < http://www.shoji.comm.waseda.ac.jp/~mf/mfeg/Spiralflow.htm >, Shoji Laboratory, Waseda University, Japan, (unknown). (date unknown)		
	NP3	"Hot Runner Nozzle Increase Performance", Abstract, < www.tool-moldmaking.com >, European Tool & Mould Making, Husky Injection Molding Systems S.A., (October 2001).		
	NP4	"Husky Introduces Ultraflow for Ultra Hot Runner Nozzles", News Release, Husky Injection Molding Systems Ltd., (June 23, 2003).		
	NP5	"Melt Mixing Technology Improves Part Quality", News Release, Husky Injection Molding Systems Ltd., (August 9, 2001).		
	NP6	"New UltraFlow Tip Improves Melt Homogeneity and Part Quality", News Release, Husky Injection Molding Systems Ltd., (October 20, 2004).		
	NP7	"Nozzle Tip Handles Quick Colour Changes", Abstract, < www.tool-moldmaking.com >, European Tool & Mould Making Husky Injection Molding Systems S.A., (May/June 2001).		
	NP8	"Stable Melt Profile Means Uniform Part Quality", Abstract, < www.tool-moldmaking.com >, European Tool & Mould Making, Husky Injection Molding Systems S.A., (July/August 2002).		
	NP9	"When Mixing It Is a Good Idea", Abstract, < www.tool-mold-making.com >, European Tool & Mould Making, Husky Injection Molding Systems S.A., November/December 2001.		
	NP10	BEAUMONT, JOHN P., et al., "Solving Mold Filling Imbalances in Multi-cavity Injection Molds", <u>Journal of Injection Molding Technology</u> , (June 1998, Vol. 2, no. 2), pp. 47-58.		
	NP11	STROOK, ABRAHAM D., "Microsystems, Microfluidic Transport, and Colloid Science", <u>Cornel University Website at</u> http://web1temp.cheme.cornell.edu/peoplevents/faculty/stroock/research.htm , (unknown). (date unknown)		
TWH	NP12	WRIGHT, CORIN, "Improving Color Change in Hot Runner Molds", <u>Plastics Machinery & Auxiliaries</u> , (April 2003).		

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Substitute for form 1449/APTO					
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Sicilia, Robert
				Art Unit	1722
				Examiner Name	Heitbrink, Timothy
Sheet	1	of	1	Attorney Docket No: MMID 2323	

US PATENT DOCUMENTS					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
<i>WUH</i>		US-3696840	10/10/1972	Odhner	
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²

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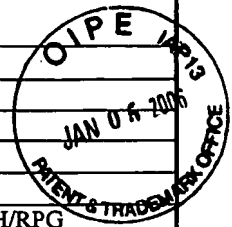
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Substitute Disclosure Statement Form (PTO-1449)

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Substitute for form 1449/PTO				Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Robert SICILIA
				Art Unit	1732-1722
				Examiner Name	Michael Colaianni
Sheet	1	of	1	Attorney Docket Number	2107.1840002/LAH/RPG



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
TW/H	NPL1	BLUNDY, John, "Improving Shear Induced Imbalance In Hot Runner Systems," Opti-flo™, Hot Runner Manifold Systems with MeltFlipper® Technology, INCOE® Corporation, June 25, 2004, pp. 1-14.	
	NPL2		
	NPL3		
	NPL4		
	NPL5		
	NPL6		
	NPL7		
	NPL8		
	NPL9		
	NPL10		

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Examiner Signature	<i>John Stauden</i>	Date Considered	5-2-07
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Substitute for form 1449/PTO				Complete if Known	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Robert SICILIA
				Art Unit	1732/1722
				Examiner Name	Michael Colaianni
Sheet	1	of	1	Attorney Docket Number	2107.1840002/LEA/RPG

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TW/H	US1	US 4403933	09-13-1983	Davis et al.	
	US2	US 4781879	11-01-1988	Oishi	
	US3	US 5192556	03-09-1993	Schmidt	
TW/H	US4	US 2004/0265422 A1	12-30-2004	Sabin et al.	
	US5				
	US6				
	US7				
	US8				
	US9				
	US10				
	US11				
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	US19				
	US20				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
TW/H	FP1	CA 1 165 525	04-17-1984	Gellert	
	FP2				
	FP3				
	FP4				
	FP5				
	FP6				
	FP7				
	FP8				
	FP9				

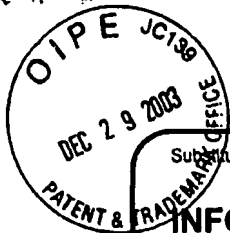
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Examiner Signature	<i>Lisa Neubank</i>	Date Considered	5-2-07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/674,807
				Filing Date	October 1, 2003
				First Named Inventor	Rob Sicilia
				Art Unit	1722
				Examiner Name	T. Heitbrink
Sheet	1	of	1	Attorney Docket Number	10984-1047

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
TWB		US-4,123,496	10/31/1978	Gallizia et al.	
		US- 4,469,849	09/04/1984	Ibar	
		US- 5,089,840	12/03/1991	Arnott	
		US- 5,262,119	11/16/1993	Smith	
		US- 5,421,715	06/06/1995	Hofstetter et al.	
		US- 5,554,395	09/10/1996	Hume et al.	
		US- 5,683,731	11/04/1997	Deardruff et al.	
		US- 6,077,470	06/20/2000	Beaumont	
		US- 6,235,230	05/22/2001	Puniello	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
TWB		EP 0 293 756 A2	07/12/88	Husky		
TWB		WO 01/34365 A1	05/17/01	Husky		

Examiner Signature	<i>T. Heitbrink</i>	Date Considered	5-2-07
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